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- Molluscan Fauna of Michigan*: MR. BRYANT WALKER.
16. *Distoma Patalosum*; A Parasite of the Crayfish: MR. C. H. LANDER.
17. *Bacteria and the Dairy*: PROF. C. D. SMITH.
18. *Tendencies in Michigan Horticulture*: MR. A. A. CROZIER.
19. *Futile Experiments for the Improvement of Agriculture*: DR. MANLY MILES.

THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA.

PROFESSOR DANIEL G. BRINTON is giving a course of six lectures, entitled *A Survey of the Science of Man*, on Mondays, January 28, February 4, 11, 18, 25, and March 4, 1895, in the Lecture Hall of the Academy.

The lectures are:

1. *The Physical Faculties of Man.*
2. *The Mental Faculties of Man.*
3. *The Social Faculties of Man*
4. *The Artistic Faculties of Man*
5. *The Religious Faculties of Man.*
6. *The Progress of the Race.*

GEOLOGICAL SOCIETY OF WASHINGTON.

FEB. 13.

*Discussion of Field Methods*: (1) *How do you determine the Thickness of Strata?* Symposium opened by MR. G. K. GILBERT. General discussion is invited.

*Rapid Section Work in Horizontal Rocks*: MR. M. R. CAMPBELL.

*Newly Discovered Dyke near Syracuse, N. Y.*: MESSRS. N. H. DARTON AND J. F. KEMP. WHITMAN CROSS, *Secretary*.

PHILOSOPHICAL SOCIETY OF WASHINGTON.

FEB. 16.

*Biographical Sketch of James Clarke Welling*: MR. J. HOWARD GORE.

*Biographical Sketch of Robert Stanton Avery*: MR. L. D. SHIDY.

*Biographical Sketch of Garrick Mallery*: MR. ROBERT FLETCHER.

*The Central American Rainfall*: MR. MARK W. HARRINGTON.

WILLIAM C. WINLOCK, *Secretary*.

FORTNIGHTLY SCIENTIFIC CLUB IN THE UNIVERSITY OF MINNESOTA.

Jan. 19, 1895.

*The Vivisection of Plants*: MR. D. T. MACDOUGAL.

*Is Man Woman's Equal?* The Zoölogist's answer and some of its consequences: PROFESSOR H. F. NACHTRIEB.

Feb. 2, 1895.

*The Departure of the Ice Sheet from Lake Superior and the more Eastern Laurentian Lakes*: MR. WARREN UPHAM.

*Some Things People Ought to Know About Micro-Organisms*: DR. CHAS. N. HEWETT.

Feb. 16, 1895.

*The Detection of Star Motions in the Line of Sight*: PROFESSOR J. F. DOWNEY.

*The Constitution of Matter*: DR. G. B. FRANKFORTER.

SCIENTIFIC JOURNALS.

THE AMERICAN NATURALIST, FEB.

*The Philosophy of Flower Seasons, and the Phenological Relations of the Entomophilous Flora and the Anthophilous Insect Fauna*: (Illustrated.) CHARLES ROBERTSON.

*Insanity in Royal Families; A Study in Heredity*: ALICE BODINGTON.

*The Significance of Anomalies*: THOMAS DWIGHT, M. D., LL. D.

*Editor's Table; Recent Literature; Recent Books and Pamphlets.*

*General Notes; Geography and Travels; Mineralogy; Petrography; Geology; Botany; Zoölogy; Entomology; Embryology; Archaeology and Ethnology; Microscopy*: On a New Method of Entrapping, Killing, Embedding and Orienting Infusoria and other very small Objects for the Microtome. (Illustrated.)

*Proceedings of Scientific Societies; Scientific News.*

THE JOURNAL OF THE AMERICAN CHEMICAL  
SOCIETY, FEB.

- A Modified Arrangement of the Elements Under the Natural Law:* F. P. VENABLE.  
*The Determination of Potash in Kainite:* RUDOLPH DE ROODE.  
*The Oxidation of Organic Matter and the Decomposition of Ammonium Salts by Aqua Regia, in Lieu of Ignition, in the Determination of Potash in Fertilizers:* RUDOLPH DE ROODE.  
*On Certain Phenomena Observed in the Precipitation of Antimony from Solutions of Potassium Antimonyl Tartrate:* J. H. LONG.  
*An Examination of the Atmosphere of a Large Manufacturing City:* CHARLES F. MABERY.  
*A New Form of Water-Oven and Still:* LEWIS WILLIAM HOFFMANN and ROBERT W. HOCHSTETTER.  
*The Determination of Nickel in Nickel-Steel:* E. D. CAMPBELL and W. H. ANDREWS.  
*The Volumetric Determination of Phosphorus in Steel and Cast Iron:* W. A. NOYES and J. S. ROYSE.  
*The Contribution of Chemistry to the Methods of Preventing and Extinguishing Conflagration:* THOMAS H. NORTON.  
*The Action of Organic and Mineral Acids Upon Soils:* HARRY SNYDER.  
*New Books.*

THE JOURNAL OF GEOLOGY, JAN.-FEB.

- The Basic Massive Rocks of the Lake Superior Region. IV.:* W. S. BAYLEY.  
*A Petrographical Sketch of Ægina and Methana. Part II.:* HENRY S. WASHINGTON.  
*Lake Basins Created by Wind Erosion:* G. K. GILBERT.  
*On Clinton Conglomerates and Wave Marks in Ohio and Kentucky:* AUG. F. FOERSTE.  
*Glacial Studies in Greenland. III.:* T. C. CHAMBERLIN.  
*Studies for Students:*  
*Agencies which Transport Materials on the Earth's Surface:* ROLLIN D. SALISBURY.  
*Editorials; Publications; Notes.*

THE AMERICAN GEOLOGIST, FEB.

- George Huntington Williams:* JOHN M. CLARK. (Portrait.)  
*The Geological History of Missouri:* ARTHUR WINSLOW.  
*A New Cretaceous Genus of Clypeastridae:* F. W. CRAIGIN.  
*Further Observations on the Ventral Structure of Triarthrus:* C. E. BEECHER.  
*The Second Lake Algonquin:* F. B. TAYLOR.  
*Editorial Comment.*  
*Review of Recent Geological Literature.*  
*Recent Publications.*  
*Correspondence.*  
*Personal and Scientific News.*

THE BOTANICAL GAZETTE, FEB.

- New or noteworthy Compositae from Guatemala:* JOHN M. COULTER.  
*A preliminary paper on Costaria, with description of a new species:* DE ALTON SAUNDERS.  
*Notes on our Hepaticae. III:* LUCIEN M. UNDERWOOD.  
*The flora of Mt. Mansfield:* W. W. EGGLESTON.  
*Briefer Articles.*  
*Editorial; Current Literature; Open Letters; Notes and News.*

NEW BOOKS.

- Missouri Botanical Garden. Fifth Annual Report.* St. Louis, Mo., Board of Trustees. 1894. Pp. 166.  
*The Great Ice Age.* JAMES GEIKIE. New York, D. Appleton & Co. 1895. 3d Edition. Pp. xxviii+850. \$7.50.  
*The Pygmies.* A. DE QUATREXAGES. Translated by FREDERICK STARR. New York, D. Appleton & Co. 1895. Pp. xiv+255. \$1.75.  
*Annals of the Astronomical Observatory of Harvard College.* Vol. XXXII., Part I. Investigations in Astronomical Photography. WILLIAM H. PICKERING. Cambridge, Mass., the Observatory. 1895. Pp. 115.